

MARCHUK, G. I.
//LENINGRAD, GLAVNOYE UPRAVLENIYE
GIDROMETEOROLOGICHESKOY SLUZHBY, PROCEEDINGS
OF 5th ALL-UNION METEOROLOGICAL CONFERENCE,
TRUDY V VSOSOYUZNOGO METEOROLOGICHESKOGO
S" YEZDA.//
--/--/1972, V0001, N----,
Ways of developing hydrodynamic methods of
weather forecasting, 11 pp
pp 90-96, AIR/FTD/HT-23-1162-7400

Narokst, G. I.

*Numerical methods of solving weather forecasting
problems. 12 pp*

PRILADNYE MATEMATIKI I MEKHANIKI SPOBNIK

SP. 1, 1971, pp 144-151

AKTIO-NT-21-517-74

Marchuk, G. I.

Basic and Conjugate Equations of Atmospheric and
Oceanic Dynamics.

31 pp

METEOROLOGIYA I GIDROLOGIYA, Moscow, No 2, 1974,

pp 9-37.

JPRS 61869

MARCHUKOVA, I. D.

//REGIR SVOISTVA ZHAROPROCH, //

--/--/1971, VG---,N---,

Interdiffusion in metallic systems

152-159, *NTIS-TT-74-5801500

Marcellly, C.

Textural phenomena during the gamma alpha
transition of Al_2O_3 Cr_2O_3 solid solutions
SOCIETE CHIMIQUE DE FRANCE. BULLETIN, 1970, pp. 446-
450
NRC 73-13110-07D

Marciniak, Z.

Experience in Cold Extrusion of Steel Workpieces with a Nutating Die.

STAHL EISEN, 1970, Vol.90, 1 Oct. pp.1077-80.

BISI 11137

MARCKWARDT W

GE

THE MATHEMATICAL TREATMENT OF DIGITALIZED CUR
VED LINES

VERMESSUNGSTECHNIK 1974 V22 #4 P128-131

FSTC-HT-23-0220-75

Mareov, N.

On the Flow of a Viscous Fluid Past a Body.
STUDII SI CERCET. MAT., Vol. 23, No. 1, pp.95-
100, 1971, Romania *7pp.*
FSTC-HT-23-793-72

Mardamshin, Kh.

Graduate Student Makes Recommendations on Improving
Trade Employee Incentives.

8 pp

NARODNOYE KHOZYAYSTVO KAZAKHSTANA, Alma-Ata, No 12,
1973, pp 53-57.

JPRS 61287

Maree, Paul

Problems of Indians Discussed, 8 pp.
DIE TRANSVALER, Johannesburg, 8 Jul 74, p 9.
JPRS 63451

Dec 74

24-May-74
Uncl (A.Ctr--7512, pp 349-358) Radiostrontium as a
factor in environmental contamination. MAREL, A.N.
1961. Translated from Raspreделение, biologicheskoe
deistvie migratsiya radioaktivnykh izotopov. Moscow,
Medgiz, 1961.

NSA

MAREK, G.

//NABLYUDENIYA ISKUSSTVENNYKH SPUTNIKOV ZEMLI//
---/---/---,V---,N0012,

Method of Processing and Standards of Accuracy
for the Observations of Artificial Earth Satel-
lites by the SBG Camera. 8 pp

pp 374-380, AIR/FTD-HT-23-1971-74

1972, 1973

COPYRIGHT INFORMATION. U.S. GOV'T AGENCIES ONLY.
OTHER REQUEST MUST BE REFERRED TO FTD.@@

Marenkin, F. S.

Pastures Irrigated with Waste Water.

6 pp

ZHIVOTNOVOISTVO, Moscow, No 8, 1973, pp 37-39.

JPRS 60195

17-Sep-74

Uncl (LA-tr--74-26) Investigation of electron heating during fast magnetic compression of low density plasma using light scattering diagnostics. MARET, G. (LOS ALAMOS SCIENTIFIC LAB., N.MEX. (USA)). Apr 1973. Translation of IPP--1/133. 43p. Dep. NTIS \$5.25.

201 physics (plasmas); translations
MN-20 NSA

Arachnidism, by Maretic, Zvonimir

*NTIS-73-56021

June 1973

MARFEL', V. R.

RU

PECULIARITIES OF ICING OF A HELICOPTER

MATEMAT. METODY V GEOGRAF., Z-UE VSESOYUZ. SOV
ESHCH. KAZAN', 5/ '71, 172-74

FSTC-HT-23-0964-74

Marfenina. I. V.

Optimal parameters of a low-temperature unit with a
gas regenerative cycle.

IZVESTIYA VYSSHIKH UCHEBNYKH ZAVESENI, MASHINOSTROENIE,

No. 7, p. 90-95, 1972

HTC 73-10/10-13A

may 73

Marga, Theofan

Data on Food Poisoning Cases From 1961 to 1973,
7 pp.

SHENDETESIA POPULLORE, Tirana, No 2, Apr, May,
Jun 74, pp 5-10.

JPRS 63303

Dec 74

Margalef, Ramon

1957

Information theory in ecology (la teoria de la informacion en ecologia)

Doctoral thesis. Memorias de la Real Academia de Ciencias y Artes de Barcelona, 32(13): 17-449. In Spanish.

Transl. by Transl. Bur., Fgn. Lang. Div., Dept. of Sec. of State of Canada, for Dept. of Environ., Great Lakes
Biolimnology Lab., Burlington, Ont., 1973, as Transl. Series
No. 2609, 140p., typescript.

Avail. on loan - CIES, Wash., D.C.

Original Article Checked *MR*

Margaria, R.

Resistance of Animals Immersed in Water to High
Acceleration

ATTI ACCAD. NAZ. LIGGEI, CLASSE SCI. FIS. MAT. NAT.

(ROME), 1957 V. 22 No. 6 p 703-706

NASA-TT-F-14828

MARGARYAN, A. A.

//DOKLADY AKADEMII NAUK SSSR, PHYSICAL CHEMISTRY//

--/12/1973, V0213, N0005,

An ESR Investigation of Vitreous and Crystalline
 SiO_2 and GeO_2 Activated by Divalent Manganese,
pp 1121-1123, C888

V. F. MARGALOV

Airborne Commander Notes Troop Enthusiasm, Improve-
ments, by V. F. Margalov, 9 pp.

RUSSIAN, per. Kommunist Voennoykh Sil, Moscow,
No 5, Mar 1973. pp 29-35.

JPRS 58813

May 73

Margelov, V. F.

Airborne Commander Answers Readers' Questions.

6 pp

VOYENNIYE ZNANIYA, Moscow, No 12, Dec 1973.

pp 12-13.

JPRS 61238

Margolin, A. D.

***The state-of-the-art and certain problems in the theory
of combustion of condensed systems 17 pp***

COMBUSTION I VZRYV, 1972, pp. 5-14

AKA/PP-11-572-74

Margolin, L.

Supply and Demand Problems to Lithuanian Populace.

10 pp

SOVETSKAYA TORGOVLYA, Moscow, 24 Aug 74, p 3.

JPRS 63227

Margolin, L.

Production, Distribution of Consumer Goods
Criticized.

9 pp

SOVETSKAYA TORGOVLYA, Moscow, 31 July 1973, p 3.

JPRS 59877

Margolin, L.

Problem: With Pilfering of State Property in Self-Service Retail Stores.

6 pp

SOVETSKAYA TORGOVLYA, Moscow, 12 Feb 1974, p 3.

JPRS 61791

Margulis, P.

Trade Ministry's Arbitration Work Described.

6 pp

EKONOMIKA I ZHIZN', Tashkent, No 4, Apr 74, pp 78-81.

JPRS 62950

Margulis, Yu. Ya.

Economic Incentives Awarded for New Technology.

19 pp

FINANSY SSSR, Moscow, No 7, July 1973, pp 66-74.

JPRS 59659

Margulis, Yu. Ia.

Sources of Payments for Invention and Rationalization Disclosed.

15 pp

FINANSY SSSR, Moscow, No 2, 1974, pp 76-82.

JPRS 61882

Tikh. Margulova

Atomic Electric-Power Stations, by
T. Kh. Margulova, 33 pp.
RUSSIAN, bk. Atomnye Elektricheskiye Stantsii.
Moscow, 1969.
JPRS 58717

Apr 73

Margureanu, V.

Essentials in Dialog Between Marxists and
Christians Stressed, 5 pp.

TIJARUL LEMINIST, Bucharest, Jan 74, pp 28-30.

IPRS 61888

G. Mariani

evaluation of the reliability of a system composed of elements with three states, each having stationary stochastic characteristics.

RENDICONTI DELLA 73 RIUNIONE ANNUALE, ASSOCIAZIONE
ELETTROTECHNICA ITALIANA, 1972, Report No. 1.1.03
DE trans 6151

q. r. 73

Mariat, F.

Adaption of Coratocystis to a Parasitic Life
within the Animal - Study of the Acquisition
of Pathogenicity Comparable to that of
Sporo-thrix Schenckii

SABOURAUDIA, Vol, 9, 1971, pp 191-205

*NTIS-TT-74-55037

Mar. 1971, J. P.

Emission of Excited Atoms by a Solid Surface Bombarded
with Positive Ions

TRANSMISSION 1. SYMPOSIUM ON DISCHARGES AND ELECTRICAL
PHENOMENA (no. 4), Proceedings, Waterloo,
Ontario, Canada, 1-4 Sept. 1970. Pub. 1970, p. 38-42
NRC 73-11712-208

Marichal, Alberto

Armed Forces Civic Programs Reviewed.

6 pp

ELITE, Caracas, 18 May 1973, pp 12-15.

JPRS 59345

Mariconi, Francisco A.M.

Chemical Control of the Mountain Termite (*Cor-
nitermes cumulans*).

BIOLOGICO, Vol.37(12), 1971, pp.317-322.

ENTIS TT 74-53371

Mariette, B. et al.

The 700 MW Boilers at Cordemais Power Station

REVUE GENERALE DE TECHNIQUE, vol. 12, no. 133, Jan. 1973

pp. 41-54

C. E. Trans: 6208

Marieu, Jean

Some Recent Facts on the Cuban Population.

24 pp

LES CAHIERS D'OUTRE-MER, Bordeaux, No 106, Apr-Jun
74, pp 128-167.

JPRS 63035

MARKIN, V. A.

**Light Diffraction of Muscle Fibers. Part I.
Analysis of Geometric pattern of Diffraction
TSITOLOGIYA, vol. 12, pp. 1231-1236, 1970
NTC 73-10354-06P**

March 73

Marin, Gaston

Better Inter-Enterprise Cooperation Urged, 2 pp.
VIATA ECONOMICA, Bucharest, 29 Jun 73, pp 1, 6.
IBRS 59950

Oct 73

Marin, Gheorghe Gasten

Resetting of Production, Delivery Prices Analyzed, 11 pp.
ERA SOCIALISTA, Bucharest, No 4, 1974, pp 12-16.
JPRS 62051

Aug 74

Marin, Gh. Gabor

Measures for Increasing Effectiveness of
Production Funds, 10 pp.

ERA SOCIALISTA, Bucharest, No 13, Jul 73,
pp 10-14.

JPRS 60239

Oct 73

Marin, Iu. B.

Basic Trends in the Development of Collective
Recrystallisation in Veined Granites.

7 pp

IZVESTIYA VOZ GEOLOGIYA I RAZVEDKA. Moscow, No 7,
1973. pp 92-96.

JPRS 62383

Marincek, B.

The Durability of Metal Molds in Steelworks.
SCHWEISER ARCHIV, 1971, Vol. 37, pp.342-347.
BISI 11639

Marincek, B.

Optimization of the Gas Reduction/Sponge Iron
Process.

ARCHIV F. D. EISENHUTTENW., Vol.44, 1973,
No.12, pp.887-891.

HB 9192

Marinello, Zello

Cuban-Soviet Friendship Association.

5 pp

GRANMA WEEKLY REVIEW. Havana, 5 May 1974. p 8.

JPRS 62111

MARINESCU, AL.

//STUDII SI CERCETARI DE MECANICA APLICATA//

—/—/1964, V0017, H0006.

The supersonic wind tunnel with four compressors of the Romanian academy institute for applied sciences description, experimental research, 29 pp.

pp 1685-1691, AIR, FTD-EC-22-1622-74.

COPYRIGHT INFORMATION. LIMITED TO U.S. GOV'T AGENCIES ONLY. OTHER REQUEST MUST BE REFERRED TO FTD, 60

Aleze Marinacci

New investigations of the optimum rendezvous maneuver
of space vehicles on elliptical trajectories for
minimum fuel consumption. 34 pp.
Z. PLUMINE, Vol 30, Apr 1972, pp 146-154
NASA TP 114,644

Apr 73

Marinescu, Emil

System of Coding Mailing Addresses Explained,

6 pp.

POSTA SI TELECOMUNICATII, Bucharest, Aug 73,

pp 412-416.

JPRS 61205

Mar 74

Marinescu, I.

Population Growth and Dynamism of Productive
Forces in Society, 6 pp.

REVISTA DE STATISTICA, Bucharest, Jul 74, pp 1-
6.

JPRS 63359

Dec 74

Marinescu, Mihai

Economic and Social Controls Described, 6 pp.
VIATA ECONOMICA, Bucharest, 22 Jun 73, pp 1,
4, 5.
JPRS 59794

Sen 73

Marinescu, M.

Hydrazine Fuel Cells.

STUDII SI CERCETARI DE ENERGETICA SI ELECTRO-
TECHNICA, Vol. 6, 1970, pp. 937-951.

FSTC-HT-23-1100 72

Marinets, I.

Shortcomings in Utilization of Inventions

Cited, 10 pp.

PROBLEME ECONOMICE, Bucharest, No 7, Jul 73,

pp 129-37.

JPRS 60523

Nov 73

Marinets, V. V.

Approximate integration of nonlinear systems of
delay differential equations.

AKADEMIYA NAUK UKRAINSKOI RSR. DOKOVIDI. SERIYA A,

p. 325-349, 1972.

NTC 73-10725-12A

may 73

Marinho Junior, Ilmar Penna

Self-Sufficiency is Petrobras Goal.

7 pp

O GLOBO, Rio de Janeiro, 3 Mar 1974, p 33.

JPRS 6168

Marinich, A. M.

Ukrainian Education Minister Dismisses Rural
Schools.

5 pp

UCHTEL: KAYA GAZETA, Moscow, 3 Nov 1973, pp 1-2.

JPRS 60615

Marinkovic, D.

Workers' Councils Altered by Constitution, 6 pp.
PRIVREDNI PREGLED, Belgrade, 19 Feb 74, p 4.
JPRS 61510

Apr 74

MAKINOVIC, V.

//BENKI ANIV ZA ORLOVNO LKINIVTO//

--/--/1962, W0090, N----

Shortus in Anaphylactic Shock Caused by Sensitivity
to Vitamin B₁₂.

FP 547-549, NTC 74-10660-06289

Marinov, Marin

Economic Cooperation With Scandinavia Viewed,
5 pp.

IKONOMICHESKI ZHIVOT, Sofia, 24 Apr 74, pp 6-7.

JPRS 62072

Sen 74

MARINOV, NAUM
//IKHONICHESKI ZHIVOT//
31/07/1974, I-----, K-----,
Reconstruction of Lenin metallurgical plant
lagging, 3 pp,
p 4, JPRS629974.1

Marinov, Marin

Construction Program for 1974 Outlined, 9 pp.
POLITICHESKA AGITATSIYA, Sofia, No 1, Jan 74,
pp 17-24, 48-49.
JPRS 61352

May 74

Marinskiy, G. S.

Indirect Determination of Specific Heat Fluxes in the
Crystallizer Wall During EShP.

2 pp

RAFINIRUYUSHCHIYE PEREPLAVY, Kiev, 1974, pp 50-51.

JPRS 63220

Marinskiy, G. S.

Some Characteristics of the Thermal Operation of an
Electroslag Remelting Furnace Crystallizer with a
Broadened Slag Top.

5 pp

RAFINIRUYUSHCHIYE PEREPLAVY, Kiev, 1974, pp 46-49.
JPRS 63220

Mark, G. L.

The manner in which transitional metals interact with non-metallic substances.

IZV. VUZ. CHERN. MET., 1972, No.12, pp.142-6.

*BISI 11328

Mark, H. I.

Abrasion in the Field of High Temperature Fibers
ALUMINUM AND POLYIMIDE COMPOSITES, v. 17, 1966, p. 693-
697

NSC 73-11814-11E

THE KRS 4100 SMALL CONTROLLING & COMPUTING SY
STEM WITH PHOTOGRAMMETRIC STEREO

AUTHOR ----- MARK K-P

VERMESSUNGSTECHNIK VOL 21 1973 NO 4 PP 126-13
U

FSTC-HT-23-0265-74

Markaryan, D. S.

*On the mutagenic properties of man-made compounds
and certain pesticides*

AKADEMIYA NAUK GOSUDARSTVA SSSR, SOOBSHCHENIYA, v. 41, n. 2

1988, pp. 171-174

NTC 78-13014-06J

Markaryan, E. S.

Study of Science as Methodology and as Social
Activity.

6 pp

FILOSOFIYE NAUKI, Moscow, No 4, 1973, pp 22-26.

JPRS 60274

BAKKARYAN, M. V.

//KOSMICHESKAYA BIOLOGIYA I AVIAKOSMICHESKAYA
MEDITSINA//

--/--/1974, V0008, N0005, pp 0085-0087

Phagocytic Activity of Human Blood Neutrophils
Under Conditions of Vital Functioning and in an
Isolation Chamber. 4 pp

JPRS 63603

ABRAHAM, M. V.

//COSMICHESKAYA BIOLOGIYA I ASTRONOMICHESKAYA
FIZIKA//

--/--/1974, 0003, 0005, pp 0085-0087

Phagocytic Activity of Human Blood Neutrophils
Under Conditions of Vital Functioning and in an
Isolation Chamber. 4 pp

J. S 65603

Effect of Vestibular Analyzer Irritation Under Hypnotic
Conditions on Some Visual Analyzer Functions, by
G. G. Markarova, N. N. Frolova, 7 pp.
USSR, per, Iosnicheskaya Biologiya i Meditsina,
USSR, Vol 1, No 2, Mar-Apr 1973, pp 75-78.
JF 59105

May 73

Markelov, I. A.

*Experimental investigation of fluctuations in the
difference frequency of a ring laser.*

IZVESTIYA VUZ, RADIOFIZIKA, Vol 16, No 4, 1973,

pp 545-551

NTC 73-14214-20E

CIA-R-7811

Markenstad, S.A.

Proposal for a reliable method of determining the strength properties of a cement without the use of standard sand.

ZEISSER-KLAU-GIPS, Vol 25, 1972, pp 419-425
HC 72-14118-18

Markevich, N.N.

Optical Sensitization of the Photoeffect of
Zinc Oxide and the Adsorption Isotherms of dyes.

ZH. FIZ. KHIM., Vol.36, No.11, pp.2393-9, 1962.

A.T.S RJ-4692

Markisov, A. S.

Videos of increased sensitivity.

TEKHNIKA KINO I TELEVIDENIYA, No 6, 1978, pp 53-55

NYC 78-14171-142

Markman, A.L.

Changes in Cottonseed Proteins during Processing.

IZVESTIYA VYSSHIKH UCHEBNYKH ZAVEDENII PISCHE-
VAYA TEKHNOLOGIYA, Vol. 4, pp. 47-50, 1969.

*NTIS T: 73-58036

may 73

Trade Unions Urged to Attack Anti-Socialist
Attitudes, by Rita Marko, 6 pp.
ALBANIAN, np, Puna, Tirana, 30 Apr 73, pp 1, 2.
JPRS 59346

Jun 73

19-Oct-73
Uncl (JP-tr--1948) Convective heat transfer in axial
flow tube and rod bundles. MARKOCZY, G.
(EIDGENOESSISCHES INSTITUT FUER REAKTORFORSCHUNG,
WUERENLINGEN (SWITZERLAND)). Apr 1971. Translated by
I.A. Mumme (Australian Atomic Energy Commission Research
Establishment, Lucas Heights) from German. 91p. Dep.
NTIS (U.S. Sales Only) \$6.75.

20M heat transfer; 18I reactor cooling; 18I reactor
engineering; 18J reactor fuels; translations
MN-80 NP NSA

Approximation of the Radiation Equilibrium as
Applied to Cloud Structures, by L. I. Markosova,
8 pp.
RUSSIAN, per. ~~Matsevolovskaya i Givrolskaya~~. Moscow,
No 4, 1973. pp 38-44.
JPRS 59210

June 73

Markosyan, G. R.

A new microtrophic sulfur bacterium developing in acid media, *thiobacillus organoparus* SP. N

DOKLADY AKADEMII NAUK SSSR, BIOLOGICAL SCIENCES, v. 211, no. 3, 1971, pp. 1305-1308

68

Markov, A. P.

Dangerous Speculations.

5 pp

PROBLEMY DAL'NEGO VOSTOKA. Moscow, No 2, 1973.

pp 170-172.

JPRS 59716

Markov, A. P.

J. K. Emerson on the 'Japanese Dilemma'.

6 pp

PROBLEMY DAL'NEGO VOSTOKA, Moscow, No 1, 1974,

pp 176-181.

JPRS 61955

MARKOV, D.

BU

PARTICIPATION OF ARTILLERY IN COUNTERPREPARAT
ION

ARMEYSKI PREGLED, #9, 1972, PP 76AND 77

FSTC-HT-23-1404-73

Markov, C.

V. I. Lenin and Socialist Culture.

10 pp

KOMMUNIST, Moscow, No 2, Jan 1974, pp 33-40.

JPRS 61497

Writers Union Head Notes Journalists' Respon-
sibilities. by G. Markov. 11 pp.
RUSSIAN, np. Sovetskaya Kultura, Moscow, 30 Mar
1973, pp 1-2.
JPRS 58784

Apr 73

MARKOV, M.N.
//PRIYEMNIKI INFRAKRASNOGO IZLUCHENIYA//
--/--/1968, V----, N----,
Infrared Radiation Receivers, 232 pp.
pp 1-168, ARM/FSTC/HT-23-1889-7300

MARKOV, M. N.

KU

INFRARED RADIATION RECEIVERS

PRIYEMNIKI INFRAKRASNOGO IZLUCHENIYA

"NAUKA", MOSCOW, 1968, 168PP.

FSTC-HT-25-1889-75

MARKOV, MARKO

//PARTIEN ZHIVOT//

--/--/1974, V-----, N0015, pp 0011-0021

Nature of Program-Target and Complex Approach
Discussed 13 pp

JPRS 63669

#